

RESPIRATORY MEDICINE
PAPER-IV

TIME: 3 HOURS
MAX. MARKS: 100

RPD/J/20/42/IV

Important Instructions:

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

Write short notes on:

1. a) Impulse oscillometry. 5+5
b) Bronchial thermoplasty.
2. a) Cryobiopsy. 5+5
b) Liquid biopsies tests for lung cancer patients.
3. a) Benefits and indications of mechanical ventilation in the prone position. 5+5
b) Contraindications and procedure of prone ventilation.
4. a) QTcF monitoring during treatment of drug resistant tuberculosis. 5+5
b) Concomitant Anti-retroviral therapy (ART) in drug resistant TB (DRTB) patient.
5. a) Shorter MDR-TB regimen and its exclusion criteria as per National Tuberculosis Elimination Programme (NTEP) of India. 5+5
b) Drugs used in All oral longer MDR-TB regimen as per National Tuberculosis Elimination Programme (NTEP) of India.
6. a) Diagnostic test for COVID-19. 5+5
b) Enumerate Old and Re-purposed Drugs used or under evaluation for the treatment of COVID-19.
7. a) Airway stenting. 5+5
b) Extracorporeal membrane oxygenation.
8. a) Clinical use of exhaled nitric oxide analysis in asthma. 5+5
b) Respiratory muscle assessment in clinical practice.
9. a) Lung transplantation in IPF and COPD. 5+5
b) Complications of lung transplantation.
10. a) Phenotypes and asthma management. 5+5
b) Walk tests and chronic respiratory diseases.
